Internal
Fax Modem 56K

Quick Installation Guide

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FCC REGULATORY STATEMENTS

FCC Part 68 Registration

This device complies with FCC Part 68 rules, and the use of this device is subject to the following restrictions:

1. The FCC has established rules which permit this device to be directly connected to the telephone network. Standardized jacks are used for these connections. This equipment should not be used on party lines or coin phones.
2. If this device is malfunctioning, it may also be causing harm to the telephone network; this device should be disconnected until the source of the problem can be determined and until repair has been made. If this is not done, the telephone company may temporarily disconnect service.
3. The telephone company may make changes in it's facilities, equipment, operation and procedures; if such changes affect the compatibility or use of this device, the telephone company is required to give adequate notice of the situation with the FCC.
4. If the telephone company requests information on what equipment is connected to their lines, inform them of:
   a. The telephone number to which this unit is connected.
   b. The Ringer Equivalence Number (REN).
   c. The USOC jack required.
   d. The FCC Registration number.

Items (b) and (d) are indicated on the label. The Ringer Equivalence Number (REN) is used to determine how many devices can be connected to your telephone line. In most areas, the sum of the REN's of all the devices on any one line should not exceed 5.0. If too many devices are attached, they may not ring properly.

FCC Part 15 Registration

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interface, and
2. This device must accept any interface received including interface that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful

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interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult an experienced radio/TV technician for help.

CTR 21 pan-European Certification

This equipment has been approved in accordance with Council Decision 98/482/EC for pan-European single terminal connection to the public switched telephone network (PSTN). However, due to differences between the individual PSTNs provided in different countries, the approval does not, of itself, give an unconditional assurance of successful operation on every PSTN network termination point. In the event of problems, you should contact your equipment supplier in the first instance.

This device is designed to work with the notified networks in all EC member states. Nevertheless, some of the network services in invidual countries might not be supported, but they will not affect the normal data and fax applications. For example, the metering charge service in Germany. Besides you may encounter difficulty of using PULSE dialing function in some of the countries, such as Nordic countries. This kind of network compatibility is dependent on the physical and software settings of this device. If the users are desired to use this device on those networks, they should contact the vendor or supplier first.

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HARDWARE INSTALLATION

Precautions:
Please be sure you take adequate anti-static precautions when handling this product. The simplest way to achieve this is; before you begin and every minute or so during the hardware installation touch a non-painted surface of the computer's chassis.

1. Before installing the device, make sure the computer is turned off.
2. Remove the expansion slot cover from the computer.
3. Carefully slide the PCI modem card into an available PCI slot, push it evenly and firmly home and ensure it is screwed securely in place using the mounting screw (PCI slots are 85mm long and positioned 40mm from the PC's rear panel. Generally there are several PCI slots side by side).
4. Plug one end of the telephone cable into the Modem line jack and the other end to the telephone jack in the wall.
5. Replace the cover.
6. After hardware installation is done, move on to the software installation.

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SOFTWARE INSTALLATION

Windows 98 Installation

1. Restart the computer system after the modem is correctly plugged into the PCI slot of your computer. Windows will automatically detect the device. Click **Next.**
2. When the following dialog box appears, insert the device driver compact disc into your CD-ROM drive and click **Next**.

Add New Hardware Wizard
What do you want Windows to do?
Search for the best driver for your device. (Recommended)
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel

3. Select **Specify a location** and press **Browse** to choose the folder **driver/win98** in your CD-ROM drive. Then click **Next.**

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Add New Hardware Wizard
Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
Floppy disk drives
CD-ROM drive
Microsoft Windows Update
Specify a location:
d:\drivers\win98
Browse...
< Back
Next >
Cancel

4. Click **Next** to continue.

Add New Hardware Wizard
Windows driver file search for the device:
Lt Win Modem
Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.
Location of driver:
D:\DRIVERS\WIN98\LTDFT.INF
< Back
Next >
Cancel

5. When the following figure appears, click **Finish.** The Installation program will continue.

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6. Follow the on-screen instructions to proceed.

Add New Hardware Wizard
Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
Floppy disk drives
CD-ROM drive
Microsoft Windows Update
Specify a location:
d:\drivers\win98
Browse...
< Back
Next >
Cancel

7. The program will proceed automatically. Click **Finish** to complete software installation.

Windows 2000 Installation

Restart the computer system after the modem is properly plugged into the PCI slot of your

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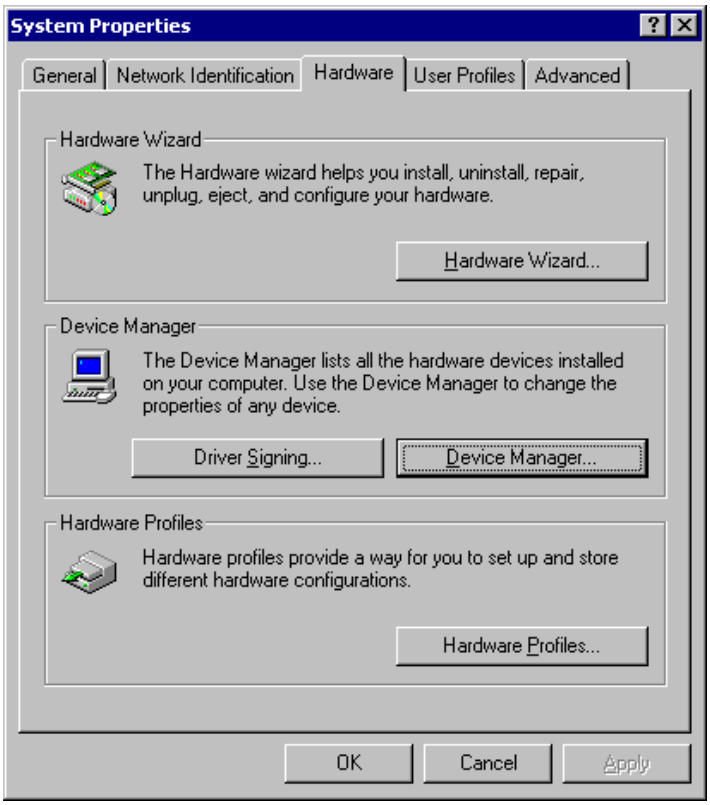
computer. Windows 2000 will automatically detect the device. If you want to use the Microsoft built-in driver, execute **d:\Driver\Win2000\PAR.exe** (assume that d: is your CD-ROM drive). Or you may update the device driver with the utility provided by the manufacturer.

1. Go to **Control Panel**, double-click **System**. Select **Hardware**. Click **Device Manager**.


System Properties
General
Network Identification
Hardware
User Profiles
Advanced
Hardware Wizard
The Hardware wizard helps you install, uninstall, repair, unplug, eject, and configure your hardware.
Hardware Wizard...
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Driver Signing...
Device Manager...
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles...
OK
Cancel
Apply

2. Right-click **LT Win Modem.** Select **Properties.**

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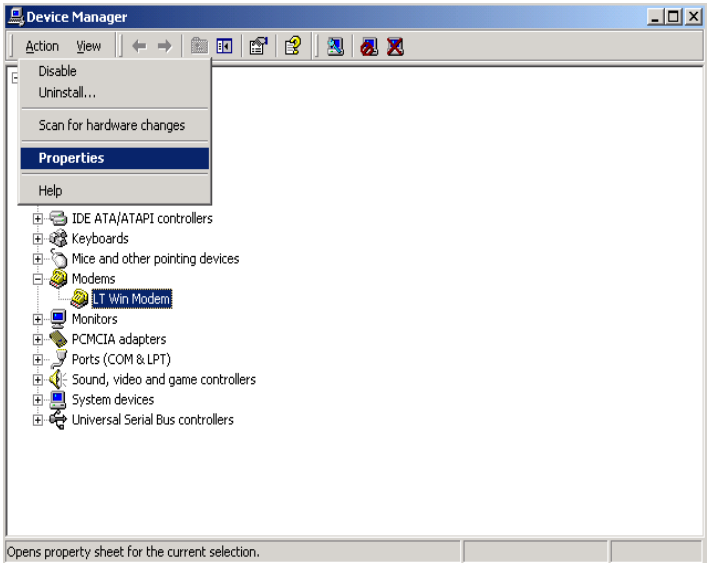
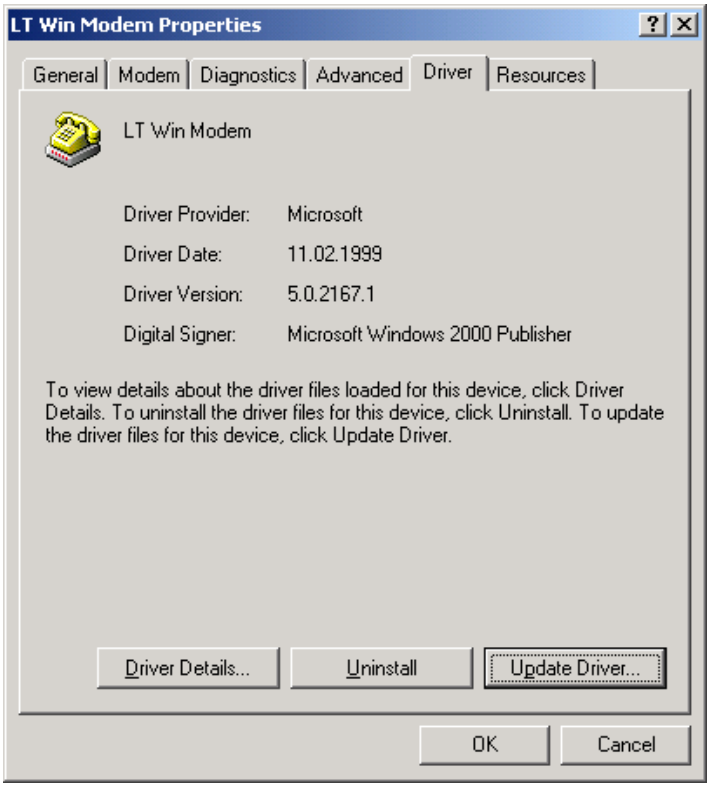


3. Select **Driver**. Click the **Update Driver…**button.



4. Follow the on-screen instructions to proceed. (Click **Next** to continue.)
5. Load the Compact Disc that contains the device driver into your CD-ROM drive.

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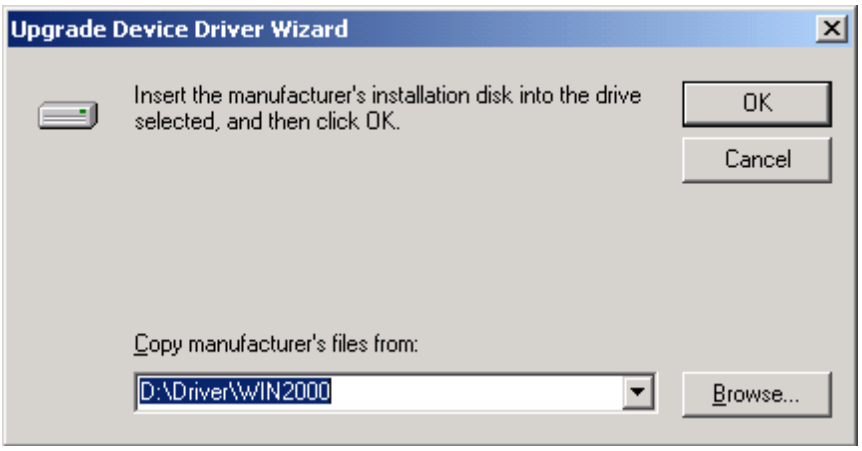
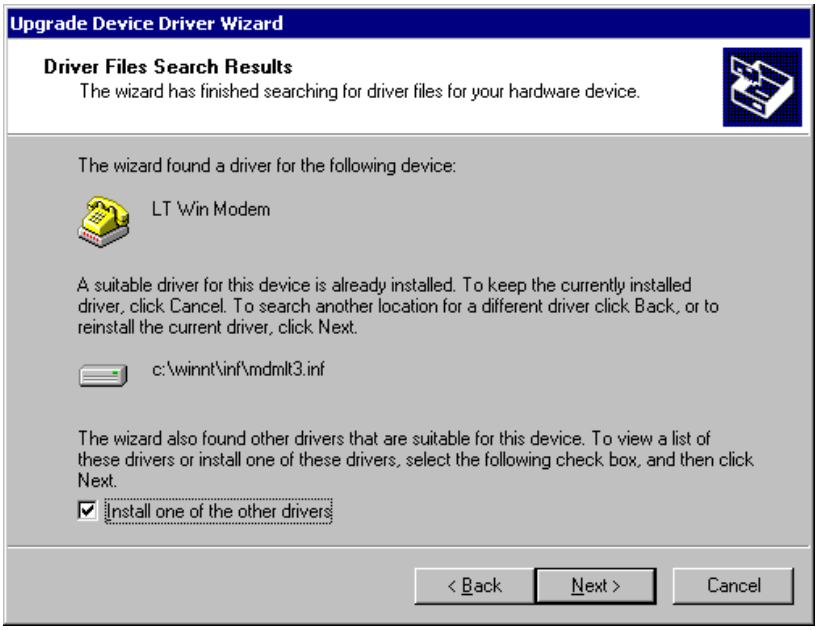
Click **Browse** and select the proper file location with the disc drive followed by **Driver\Win2000**.



6. Check **Install one of the other drivers.** Click **Next.**


Upgrade Device Driver Wizard
Driver Files Search Results
The wizard has finished searching for driver files for your hardware device.
The wizard found a driver for the following device:
LT Win Modem
A suitable driver for this device is already installed. To keep the currently installed driver, click Cancel. To search another location for a different driver click Back, or to reinstall the current driver, click Next.
c:\winnt\inf\mdmlt3.inf
The wizard also found other drivers that are suitable for this device. To view a list of these drivers or install one of these drivers, select the following check box, and then click Next.
Install one of the other drivers
< Back
Next >
Cancel

7. Select **d:\Driver\Win2000\ltmdmnt.inf**, click **Next**.

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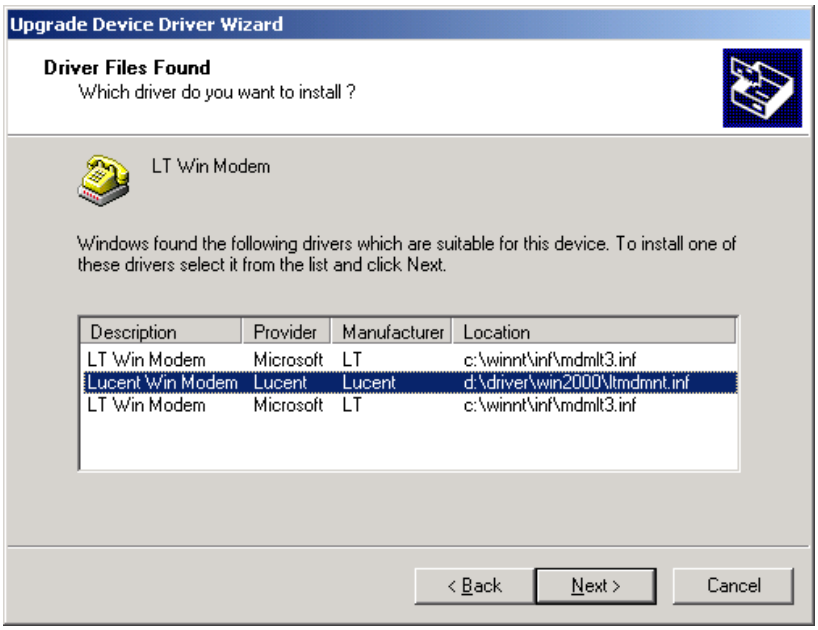
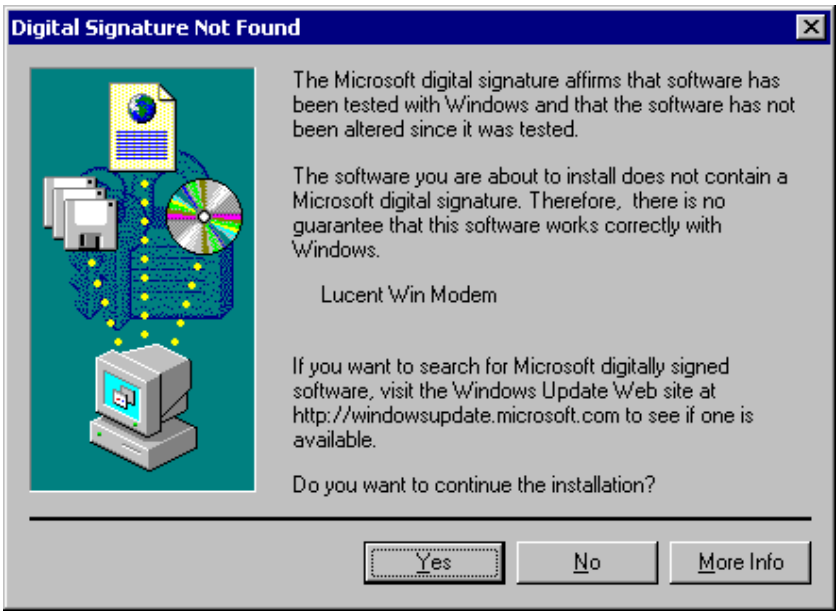


8. When Windows prompt you to continue the installation. Select **Yes**.


Digital Signature Not Found
The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.
The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.
Lucent Win Modem
If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.
Do you want to continue the installation?
Yes
No
More Info

9. Click **Finish** to complete the software installation.

Windows ME Installation

Restart the computer system after the modem is properly plugged into the PCI slot of your

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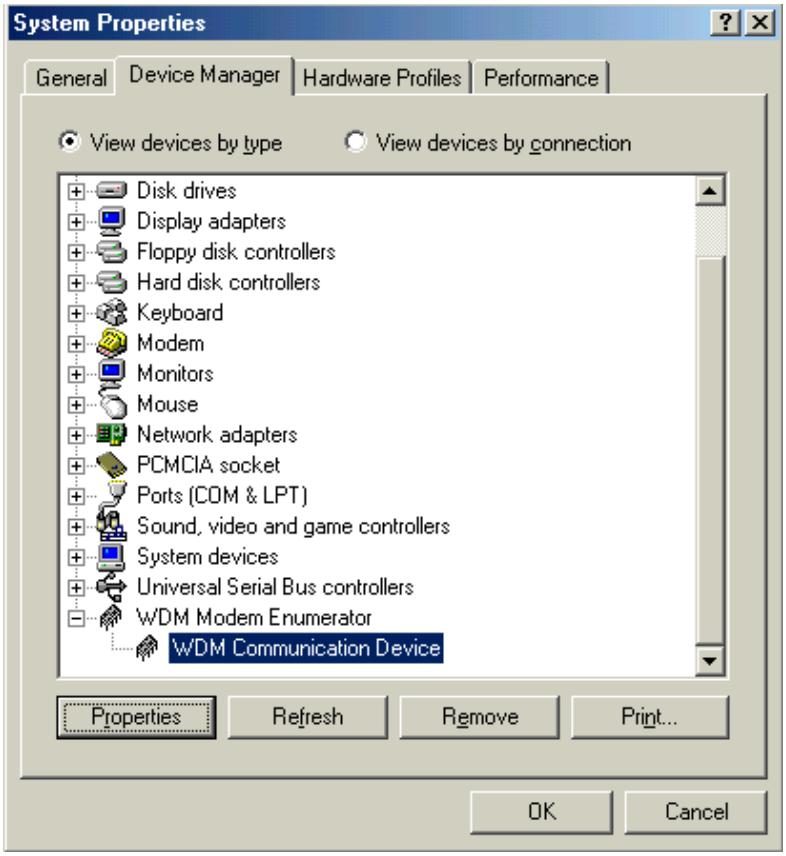
computer. Windows ME will automatically detect the device. If you want to use the Microsoft built-in driver, execute **d:\Driver\WinME\PAR.exe** (assume that d: is your CD-ROM drive). Or you may update the device driver with the utility provided by the manufacturer.

1. Right-click **My Computer**, then click **Properties→Device Manager.**
2. Click **WDM Modem Enumerator** to expand.



3. Load the device driver into your CD-ROM drive. Click **Properties→Driver→Update Driver.**

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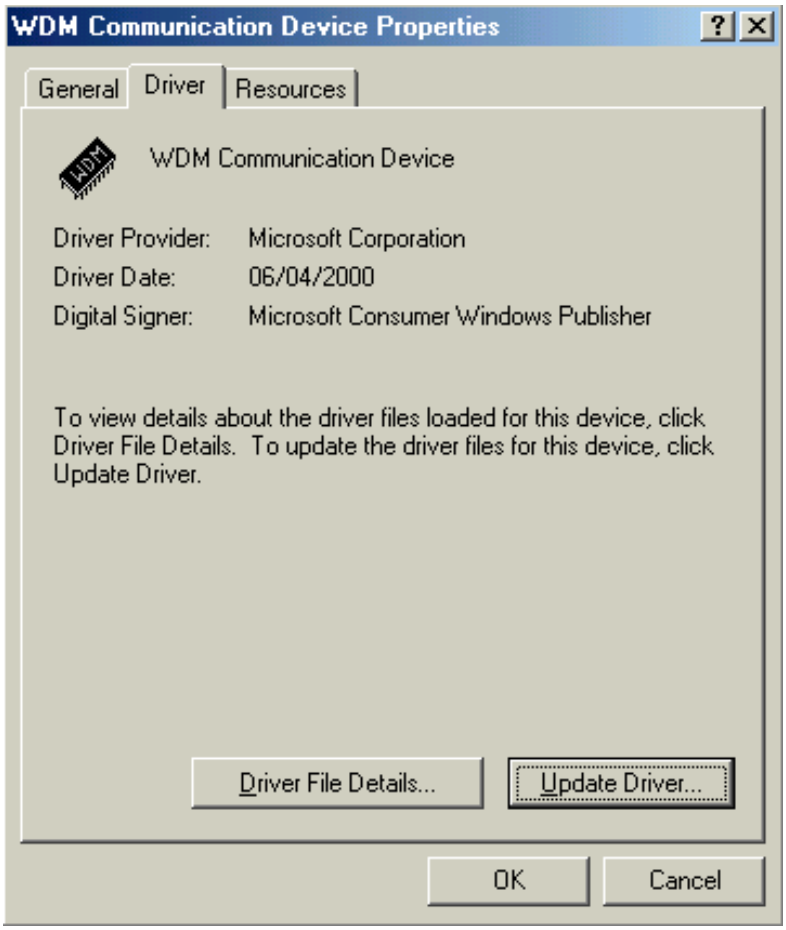
WDM Communication Device Properties
General
Driver
Resources
WDM Communication Device
Driver Provider: Microsoft Corporation
Driver Date: 06/04/2000
Digital Signer: Microsoft Consumer Windows Publisher
To view details about the driver files loaded for this device, click Driver File Details. To update the driver files for this device, click Update Driver.
Driver File Details...
Update Driver...
OK
Cancel

4. Select **Specify the location of the driver (Advanced)** and click **Next.**

Update Device Driver Wizard
This wizard searches for updated drivers for:
WDM Communication Device
Windows can search for and install an updated driver to replace the one currently being used by your hardware. Or, you can specify the location of another driver.
What would you like to do?
Automatic search for a better driver (Recommended)
Specify the location of the driver (Advanced)
< Back
Next >
Cancel

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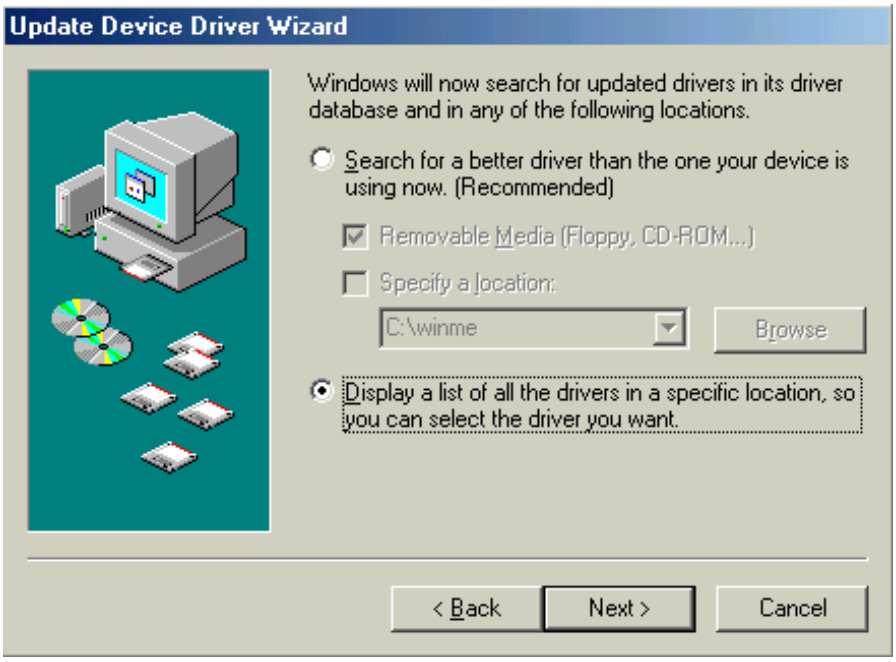
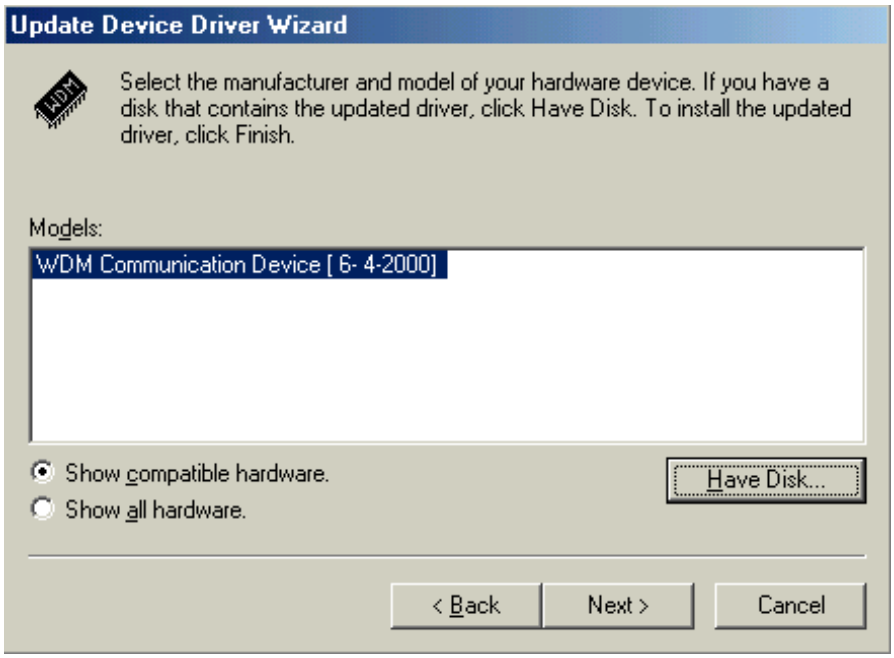
5. Select **Display a list of all the drivers…**and click **Next.**


Update Device Driver Wizard
Windows will now search for updated drivers in its driver database and in any of the following locations.
Search for a better driver than the one your device is using now. (Recommended)
Removable Media (Floppy, CD-ROM...)
Specify a location:
C:\winme
Browse
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel

6. Click the **Have Disk…**button.


Update Device Driver Wizard
Select the manufacturer and model of your hardware device. If you have a disk that contains the updated driver, click Have Disk. To install the updated driver, click Finish.
Models:
WDM Communication Device [6- 4-2000]
Show compatible hardware.
Show all hardware.
Have Disk...
< Back
Next >
Cancel

7. Click **Browse** to select the drive where the device driver exists. (for example: D:\)

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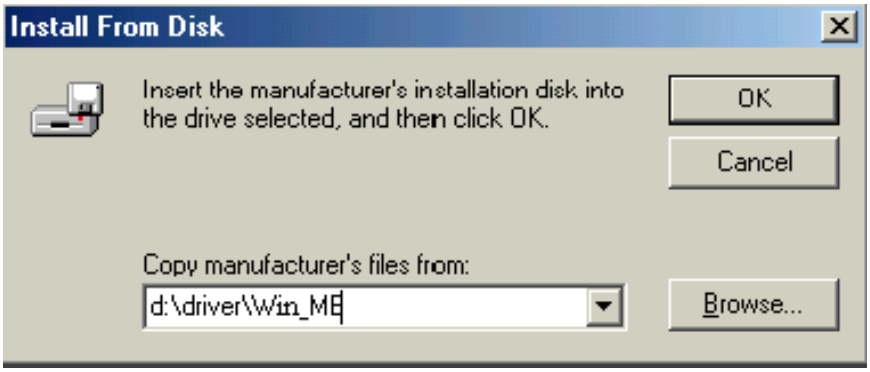
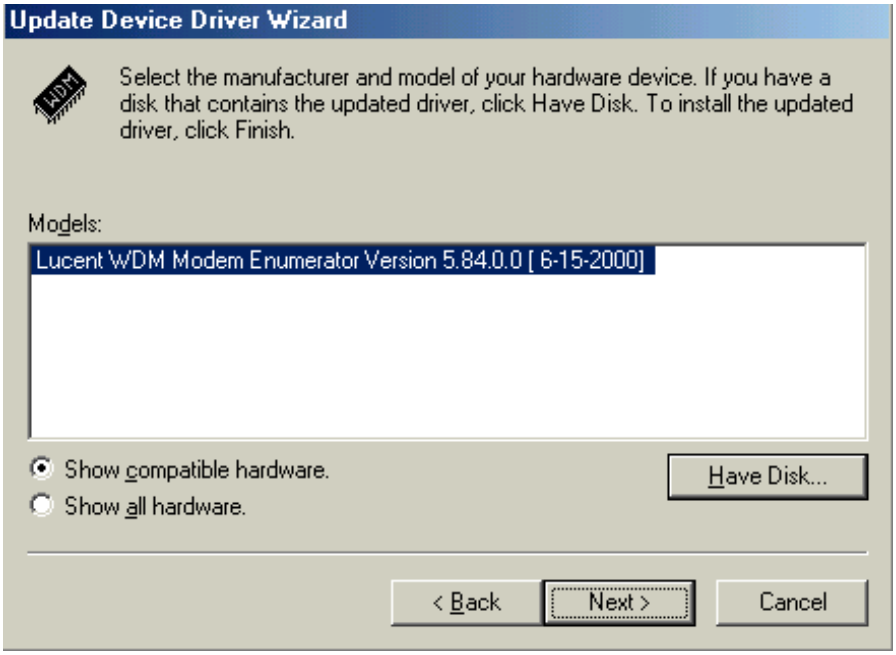
Enter the CD-ROM driver letter followed by **driver\Win_ME.**



8. Click **Next.**


Update Device Driver Wizard
Select the manufacturer and model of your hardware device. If you have a disk that contains the updated driver, click Have Disk. To install the updated driver, click Finish.
Models:
Lucent WDM Modem Enumerator Version 5.84.0.0 [6-15-2000]
Show compatible hardware.
Show all hardware.
Have Disk...
< Back
Next >
Cancel

9. Click **Next** to proceed.

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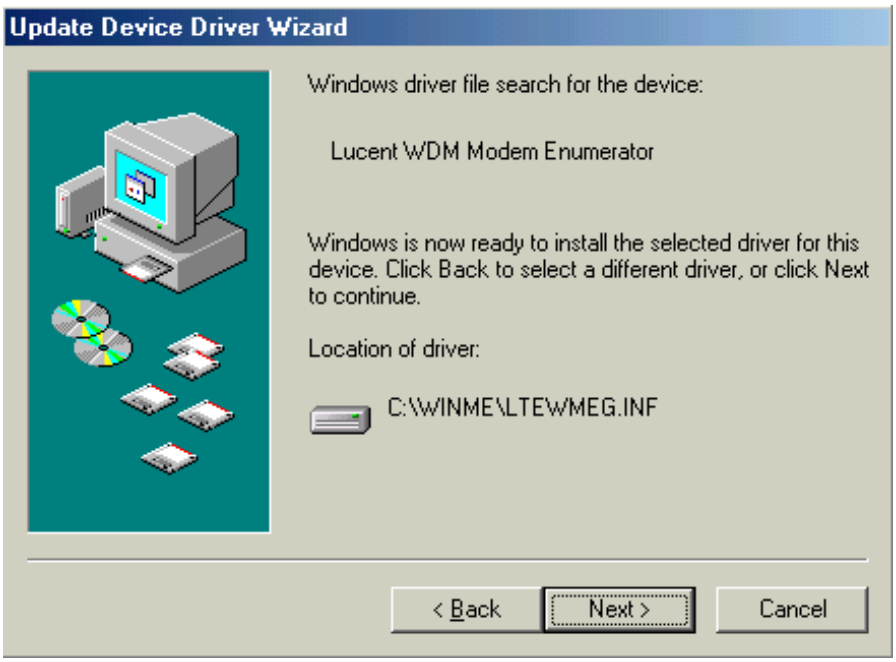
Update Device Driver Wizard
Windows driver file search for the device:
Lucent WDM Modem Enumerator
Windows is now ready to install the selected driver for this device. Click Back to select a different driver, or click Next to continue.
Location of driver:
C:\WINME\LTEWMEG.INF
< Back
Next >
Cancel

10. Click **Finish** to complete the software installation.

Note: Windows ME users who experience low connection speeds to their Internet provider can apply a driver update to improve speeds. To do this, insert the modem driver CD, (you will need to press **Exit** when the PICShell software installation utility starts). Click on **Start, Programs, Windows Explorer.** Now explore the CD-ROM by opening the Driver folder, then **Win_Me_faster.** Double-click on **Driver_update.exe,** this will lead you through the upgrade process.

Windows XP Installation

Restart the computer system after the modem is well inserted into the PCI slot of your computer. Windows XP will automatically detect the

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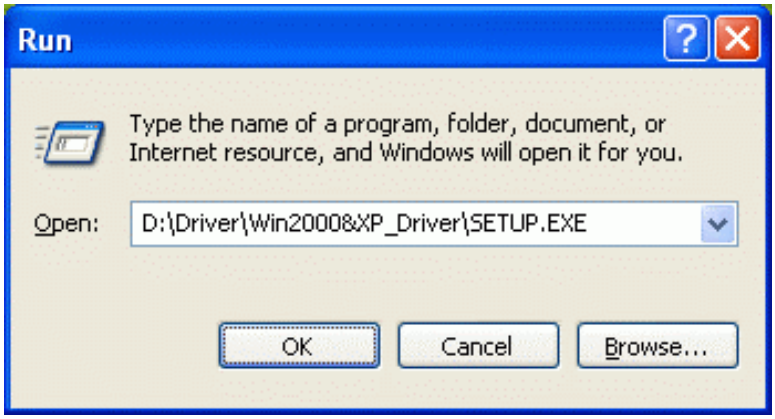
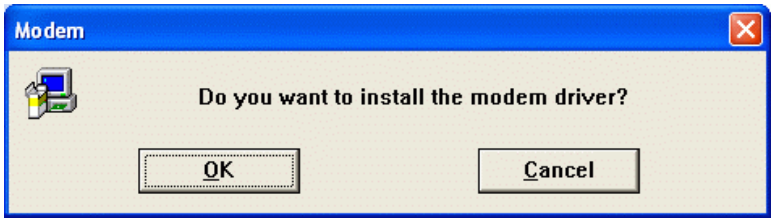
modem. Perform the following procedures to install the driver.

1. Load the device driver CD into your CD-ROM drive. Close the window that automatically pops up.
2. Go to **Start→Run.** Click **Browse** to direct your system to the location where contains the device's driver (e.g., **E:\Driver\Win 2000&XP\Setup**). Click **OK**.



3. Click **OK** to install the driver.



4. When the following window appears, click **Continue Anyway** to complete the software installation.

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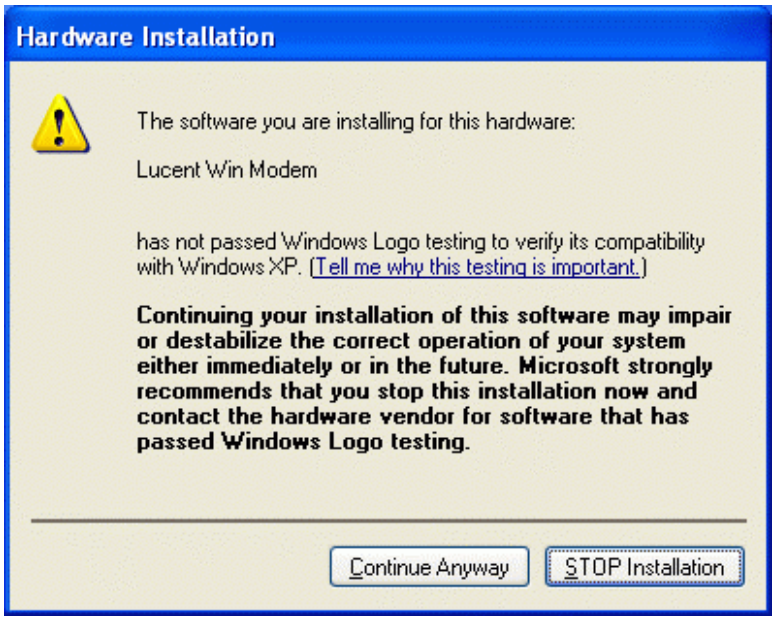
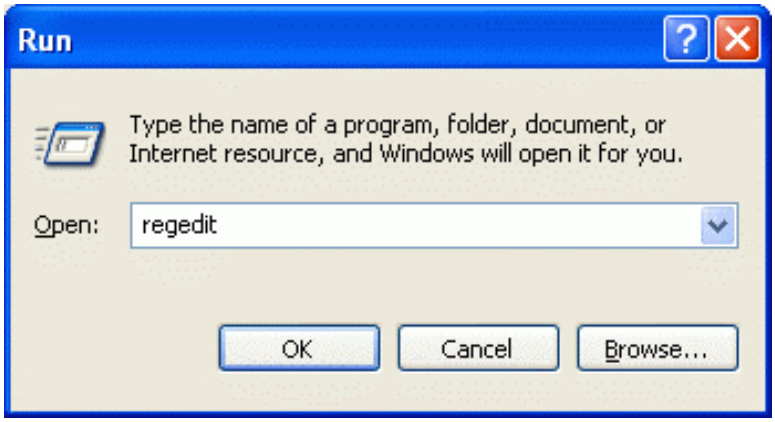

Hardware Installation
The software you are installing for this hardware:
Lucent Win Modem
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

5. Go to **Start→Run**, enter "regedit", and click **OK**.



6. Select **HKEY_LOCAL_MACHINE,** and click **SOFTWARE** to expand. If the **Lucent** and **Modem** are listed as below, the modem exists and is successfully enabled. If not, consult your distributor for the technical support.

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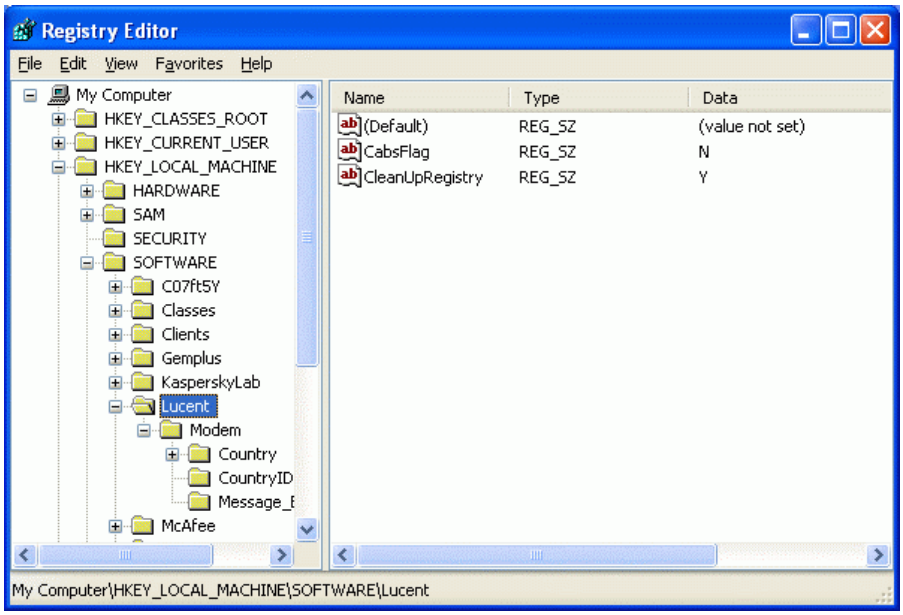

Windows NT Installation

1. Reboot the computer system after the modem is correctly plugged into your PCI slot of computer.
2. Load the device driver compact disk in the CD-ROM drive.
3. Start Windows NT.
4. Go to **My Computer**.
5. Click the CD-ROM drive. Click the **driver\winnt** folder. Or you may click the **Browse** button to select the CD-ROM drive and the **driver\winnt** folder.
6. Double-click **setup.exe**. The installation program will proceed automatically.

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